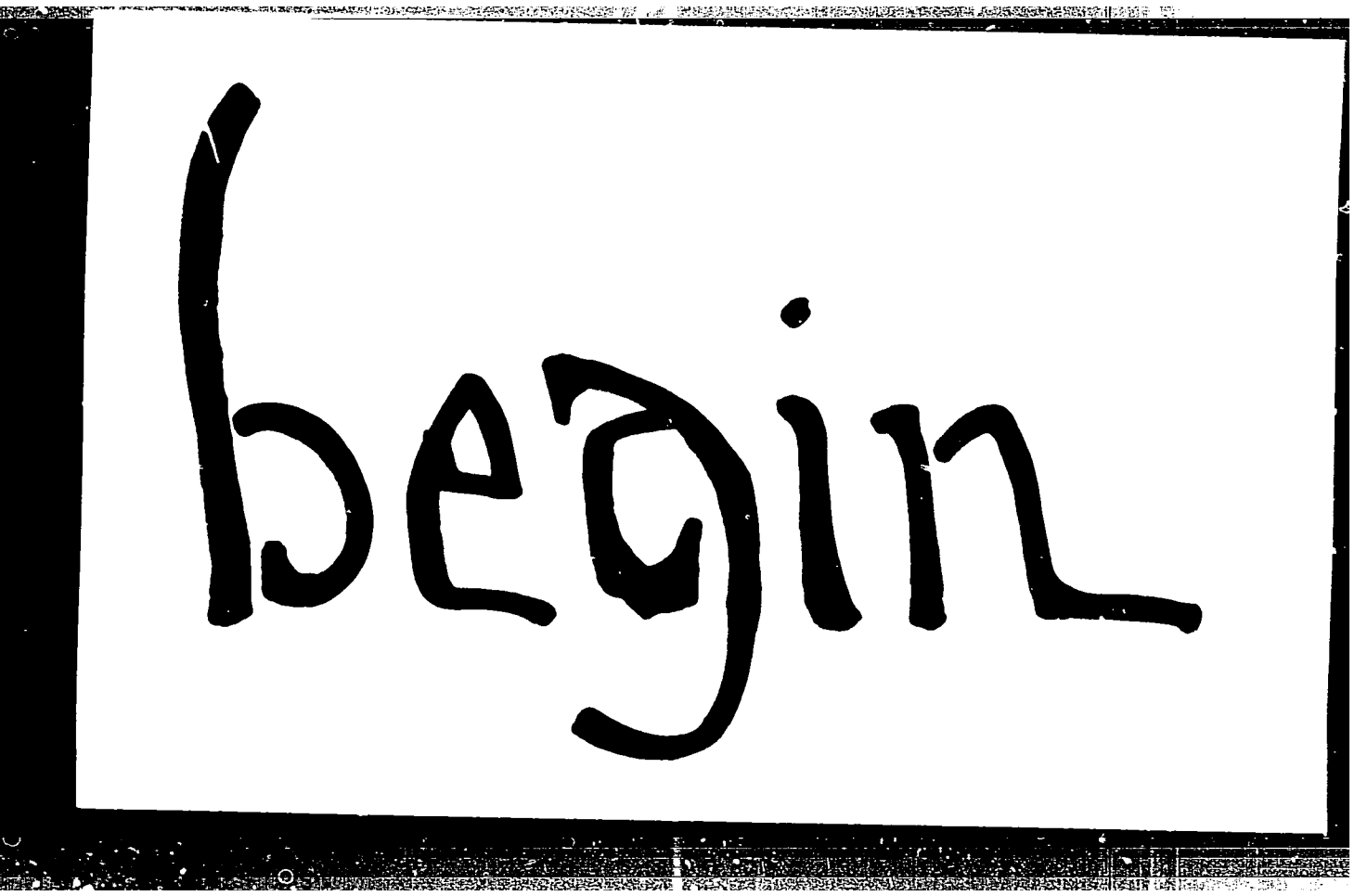
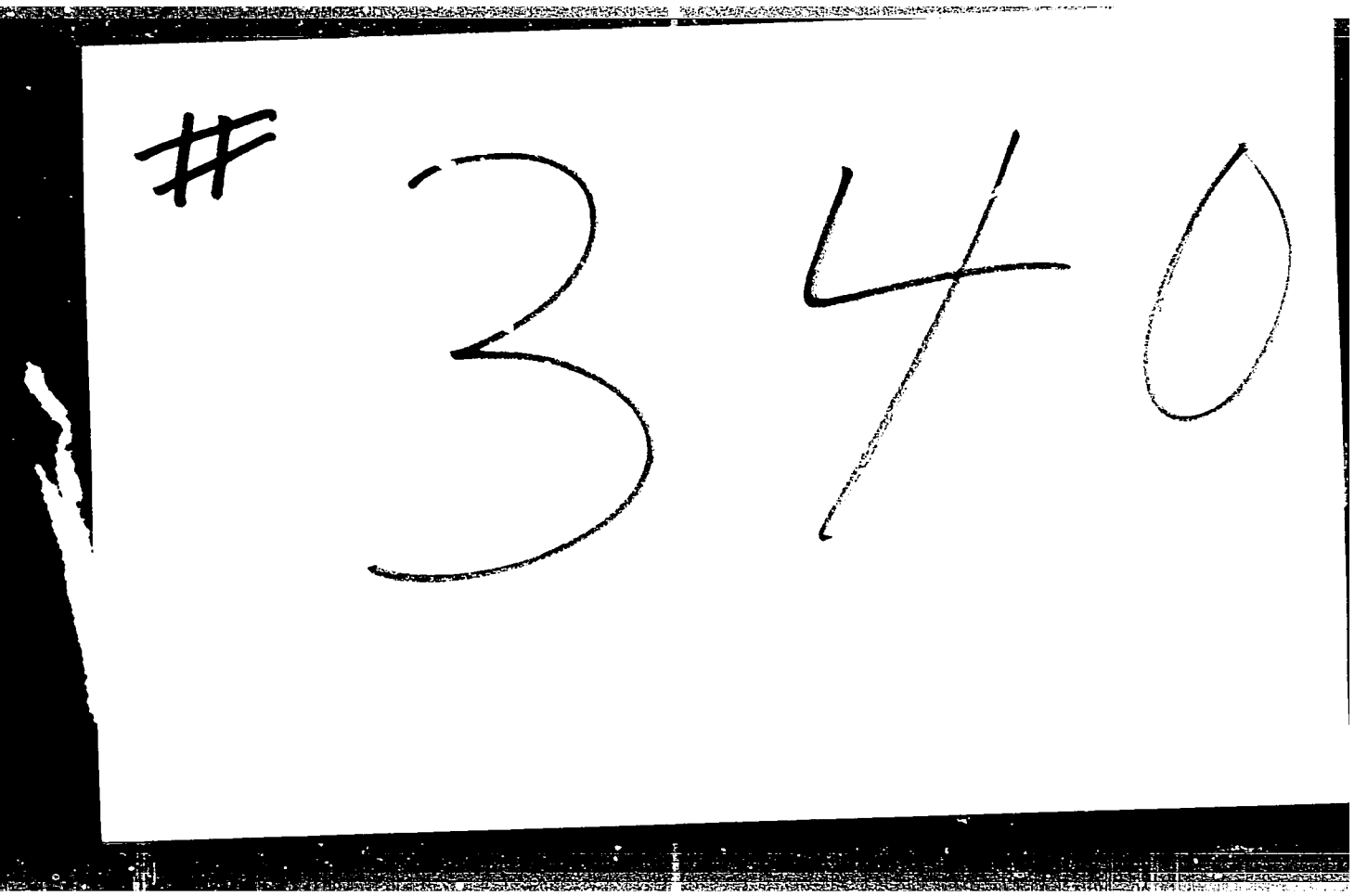




KRIMOV, A. M.

YERMAKOV, V.S.; KLOCHKOV, I.M.; CHIZHOV, D.G.; KOGTEV, G.I.; LAVRENEN-KO, K.D.; NEKRASOV, A.M.; SPIRIN, S.A.; VESELOV, N.D.; KOTILEVSKIY, D.G.; SMIRNOV, G.V.; MARINOV, A.M.; MAKSIMOV, A.A.; IVANOV, M.I.; KRIMOV, A.P.; CHUPRAKOV, N.M.; AVTONOMOV, B.V.; SYROMYATNIKOV, I.A.; MOLOKANOV, S.I.; FAERMAN, S.TS.; GORSHKOV, A.S.; GOL'DENBERG, P.S.; SOKOLOV, B.M.; MA-KUSHKIN, Ya.G.; MKHITARYAN, S.G.; RASSADNIKOV, Ye.I.; GRUDINSKIY, P.G.; POMICHEV, G.I.; SHCHERBININ, B.V.; ZAYTSEV, V.I.; KOKOREV, S.V.; KLYU-SHIN, M.P.; PESCHANSKIY, V.I.; SAFRAZBEKYAN, G.S.; i dr...

IUrii Prokhorovich Komissarov; obituary. Elek.sta. 25 no.5:60 My '54.
(Komissarov, IUrii Prokhorovich, 1910-1954) (MLRA 7:6)

MARINOV A. M.

AID P - 3514

Subject : USSR/Power Eng

Card 1/1 Pub. 26 - 8/30

Author : Marinov, A. M., Eng.

Title : Burning of turbogenerator windings by the capacitance currents

Periodical : Elek. sta., 9, 31-33, S 1955

Abstract : The article reports on the failure of a 100,000 kw turbogenerator caused by capacitance currents which set on fire its windings although the relays were in complete order. Reportedly the generator's full load capacity was not utilized. Tests made with the generator after the failure are described. Recommendations are made for additional insulation of windings.

Institution : None

Submitted : No date

MARINOV, A M.

AID P - 3256

Subject : USSR/Electricity

Card 1/2 Pub. 27 - 11/25

Authors : Karamzin, A. P., Ya. S. Kolin, A. M. Marinov, and L. M. Rauzin, Engs.

Title : Experience with putting transformers into service without preliminary drying out

Periodical : Elektrichestvo, 9, 60-62, S 1955

Abstract : The authors discuss an article by A. K. Ashryatov "Putting transformers into serive without preliminary drying out" (This journal, Sept. 1955, pp. 44-54) and operational circular 3/E of the Ministry of Electric Power Stations. They maintain that A. K. Ashryatov's criticism of the circular is not confirmed by their own operational experience. Since 1951 they have applied in one of the power systems the methods recommended by the circular and have introduced into serive fifteen 110-kv, 7.5- to 31.5-thousand kw power transformers with most satisfactory results. The authors discuss

AID P - 3256

Elektrichestvo, 9, 60-62, S 1955

Card 2/2 Pub. 27 - 11/25

critically some of Ashryatov's statements on: 1) local and surface moisture of transformer insulation in connection with their storing and transporting; 2) existing criteria of estimating the degree of moisture; and 3) the coordination of methods of testing to be made at the factory and at the place of assembly.

Institution : Main Administration of Ural Power Systems (Glavuralenergo)

Submitted : My 14, 1955

MARINOV, A.M.

MARINOV, A.M., inzh.

The Urals power system on the 40th anniversary of the October Revolution. Elek.sta. 28 no.11:81-86 N '57. (MIRA 10:11)
(Ural Mountain region--Electric power)

BLINOVA, V.N.; DEMIDOV, A.A.; KOLIN, Ye.S.; MAKUSHKIN, Ye.G.; MYZIN, L.M.; PERMYAKOV, N.P.; PONKDILKO, A.I.; BOROVIK, Z.G.; YEFREMOV, I.A.; KOPAYGORODSKIY, A.B.; MARILOV, A.M.; MEKHOROSHKOVA, O.I.; POKROVSKIY, A.F.; ROMANOVSKIY, A.A.; RASSADNIKOV, Ye.I., red.; SAVEL'YEV, V.I., red.; FRIDKIN, A.M., tekhn.red.

[Electric power in the Urals during the past 40 years] Energetika Urala za 40 let. Moskva, Gos. energ. izd-vo, 1958. 141 p. (MIRA 11:5)

(Ural Mountain region--Electric power)

AUTHORS: 1) Marinov, A. M., Engineer, Myzin, L. M. 105-58-6-26/33
Engineer, Pokrovskiy, A. P., Engineer
2) Belousov, M. M., Candidate of Technical Sciences

TITLE: The Underlying Principles of the Uniform Power System of the European Part of the USSR (Osnovy yedinoy energeticheskoy sistemy yevropeyskoy chasti SSSR)

PERIODICAL: Elektrichestvo, 1958, Nr 6, pp. 88 - 91 (USSR)

ABSTRACT: This is a comment on the article by V. I. Veyts in Elektrichestvo, 1957, Nr 1; 1) In the elaboration of a uniform power system its scheme must not be projected starting only and mainly from large power plants. In spite of the gigantic dimensions in the construction of the hydroelectric power plants their specific share in the power economy at the end of the sixth five-year-plan will only amount to 18%. At present thermal power plants with 1 to 1,5 million kW are built in the east, at the Ural and in the south. At first the question has to be answered: what can more conveniently be conveyed - fuel or electric energy? Coal with an ash content of 40% has recently be conveyed from the Ekibastuz- basin(75°30' east longitude 51°40' north latitude) to the Ural. Large thermal power plants

Card 1/4

should be constructed in the Ekibastuz basin and electric energy should mainly be conveyed to the Ural. Open-work mining was begun in the coal basin of Kushmurun (64°30' east longitude, 52°30' north latitude) of the Kustanay region. The brown coal of this deposit also has a high ash content. New electric power plants which are supplied with this coal are built at the Ural. At the same time electric power plants with 1,2 to 2,4 million kW are projected in the Kustanay region. It had to be determined what can more advantageously be conveyed from Kushmurun to the Ural: coal or electric power. The transfer of electric energy from Siberia to the Ural and farther to the west of the country must not only be brought into accordance with the hydroelectric power plants but also with the working of the large coal deposits in the Asiatic part of the country and with the construction of large thermal power plants. A prinicpal scheme for the connection between Ural and Siberia is given here. According to this scheme two large longitudinal connections in the direction of Omsk-Tyumen'-Sverdlovsk and Omsk-Petropavlovsk-Chelyabinsk should be established. Along the main railroad lines a 110 kV distribution network consisting of two-circuit lines of intermediate and cen-

tral substations with 110 kV is to be set up. For increasing the transmitting power of the 110 kV lines the possibility of changing them to a 154 kV voltage (where necessary) is to be investigated. - At present distributing networks with 110 kV are built in the section of Novosibirsk-Omsk-Kurgan-Chelyabinsk. The disregard of the development of 6 kV, 35 kV and 110 kV networks led to the fact that a large number of small uneconomic plants exist beside large electric power plants and that a considerable number of inhabited places is without power supply. These consume much fuel and need much personnel. An immediate solution of the problem concerning the construction of the hydroelectric power plant at the lower Ob' and the strengthening of the hydroelectric power plants at the Kama is demanded. The works by the Gidroproyekt show that it would be possible to establish a hydroelectric power plant with several million kW at the lower Ob' in the Region of Salekhard (town at the polar circle, on the Ob'). For the next 10 years the Kama and its water basin will represent the main source of the power system of the Ural. The work of the hydroelectric power plants Votkinskaya and Nizhne Kamskaya have recently been check-

The Underlying Principles of the Uniform Power System of the European Part of the USSR 105-58-6-26/33

ed. 2) The first and most important task consists in the connection of the small and average power systems with the large ones and in the establishment of the 110 and 35 kV networks for supplying all places and industries by the large power systems. The opinion that the problems on the construction of inter-system lines with 400 kV can be dealt with independentlyly of the problems of the development of 110-220 kV networks is wrong. The only reasonable basis for projecting a uniform high-voltage network is a joint plan for the development of the power systems, the 110 - 220 kV networks and the 400 - 500 kV networks. There is 1 figure.

1. Industry--USSR 2. Water power--USSR 3. Electric power production--USSR

Card 4/4

GUSTOV, L.D., inzh. (Sverdlovsk); LEVIN, M.I., inzh. (Sverdlovsk);
MARIKOV, A.M., inzh. (Sverdlovsk); MYZIN, L.M., inzh. (Sverdlovsk);
PETROKOV, A.P., inzh. (Sverdlovsk)

Sverdlovsk's 500 kv. substation. Elektrichestvo no.7:61-65
Jl '60. (MIRA 13:8)
(Sverdlovsk—Electric substations)

MARINOV, A.M., inzh.

Simplified 110 kv. low-power substation. Energetik 9 no.5:3-6 My '61. (MIRA 14:5)
(Electric substations)

KARAMZIN, A.P., inzh.; KISLYY, V.I., inzh.; MARINOV, A.M., inzh.; MIRENBURG, L.A., inzh.; RAUZIN, L.M., inzh.; SAGALOV, M.I., inzh.

The 110 kv. electric substation with a low-power transformer. Elek.sta. 32 no.8:49-54 Ag '61. (MIRA 14:10)
(Electric substations)

BUKHMAN, G.D., inzh.; MARINOV, A.M., inzh.; MELAMED, B.M., inzh.; YAROSLAVTSEV, A.M., inzh.

Start of a 200 Mw. block in the electric power system of Sverdlovsk. Elek.sta. 34 no.2:2-7 F '63. (MIRA 16:4)
(Sverdlovsk—Electric power plants)

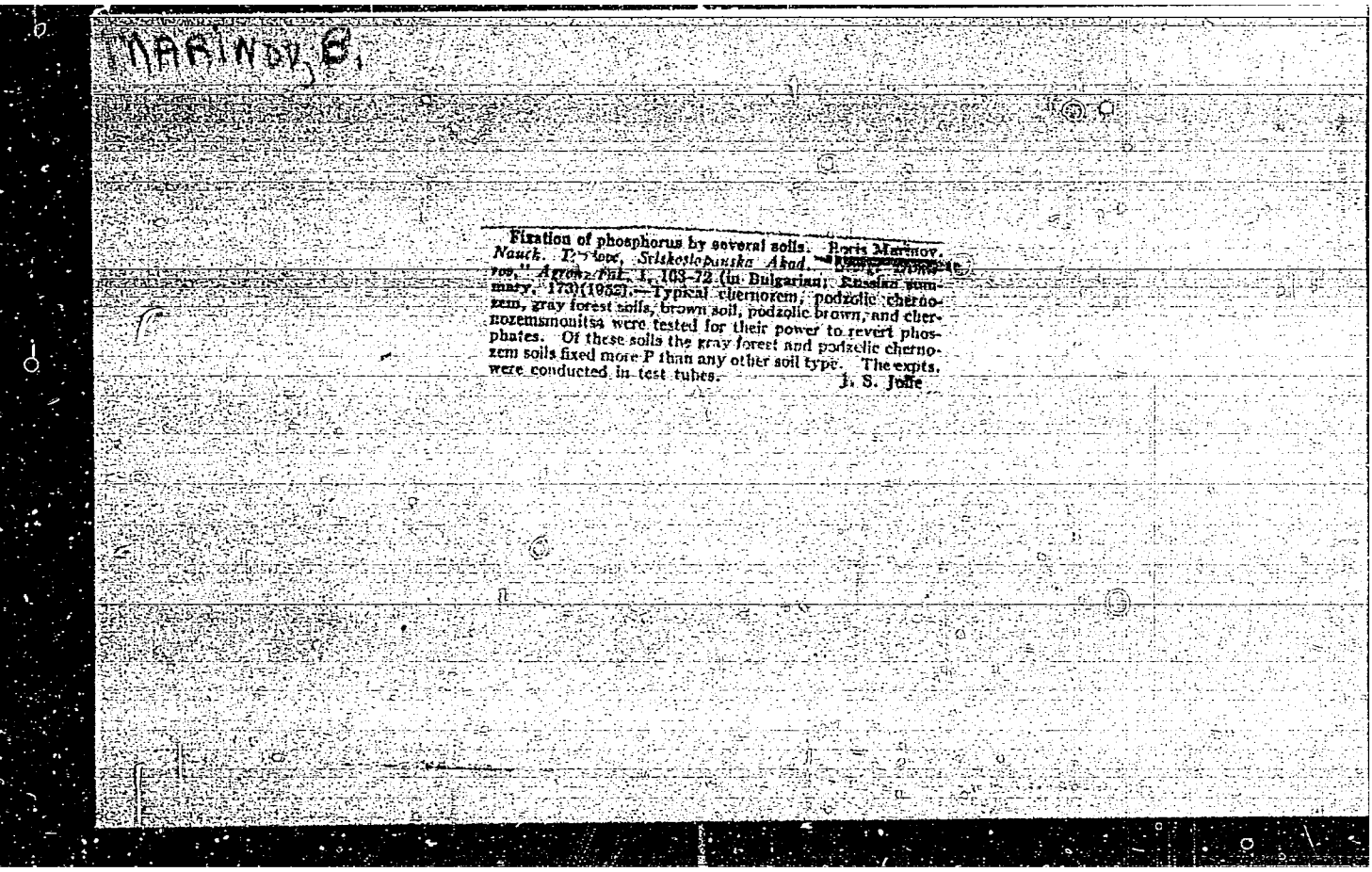
MARINOV, At.

Serum cholinesterase activity in pulmonary tuberculosis . (Preliminary communication). Folia med. (Plovdiv) 6 no.4: 233-237 '64

1. Hohes Medizinisches Institut "Iv. P.Pavlov" zu Plovdiv, Bulgarien; Lehrstuhl für Innere Krankheiten (Vorstand: Kand. der med. Wissenschaft Dozent D.Dimitrov).

CA MARINOV, B.

Various acids in potatoes. Boris Marinov. (Izdatelstvo Selskostopanska Akad. Georgi Dimitrov (Bulgaria) 28, 229-34 (1950).—There is no difference in the variety of acids in healthy and diseased potato plants, nor is there much difference in the amts. of citric, oxalic, and malic acids in healthy or plants infected with leafroll. Plants infected with mosaic showed a const. increase in acids. Of interest is the const. change in relation between the oxalic and citric acids. Esther G. Maimon



MARINOV, B.

Fixation of phosphorus by several soils. Boris Marinov. *Nauch. Trudove, Selskostopanska Akad.* [illegible] *vo.* *Agrokhim.* 1, 103–72 (in Bulgarian); Russian summary, 173 (1952).—Typical chernozem, podzolic chernozem, gray forest soils, brown soil, podzolic brown, and chernozemsmonitsa were tested for their power to revert phosphates. Of these soils the gray forest and podzolic chernozem soils fixed more P than any other soil type. The expts. were conducted in test tubes. J. S. Joffe

MARTINOV, B.

Tilapia. Fish Farming 7 no.5:12-13 My '64

MARINOV, Bogomil

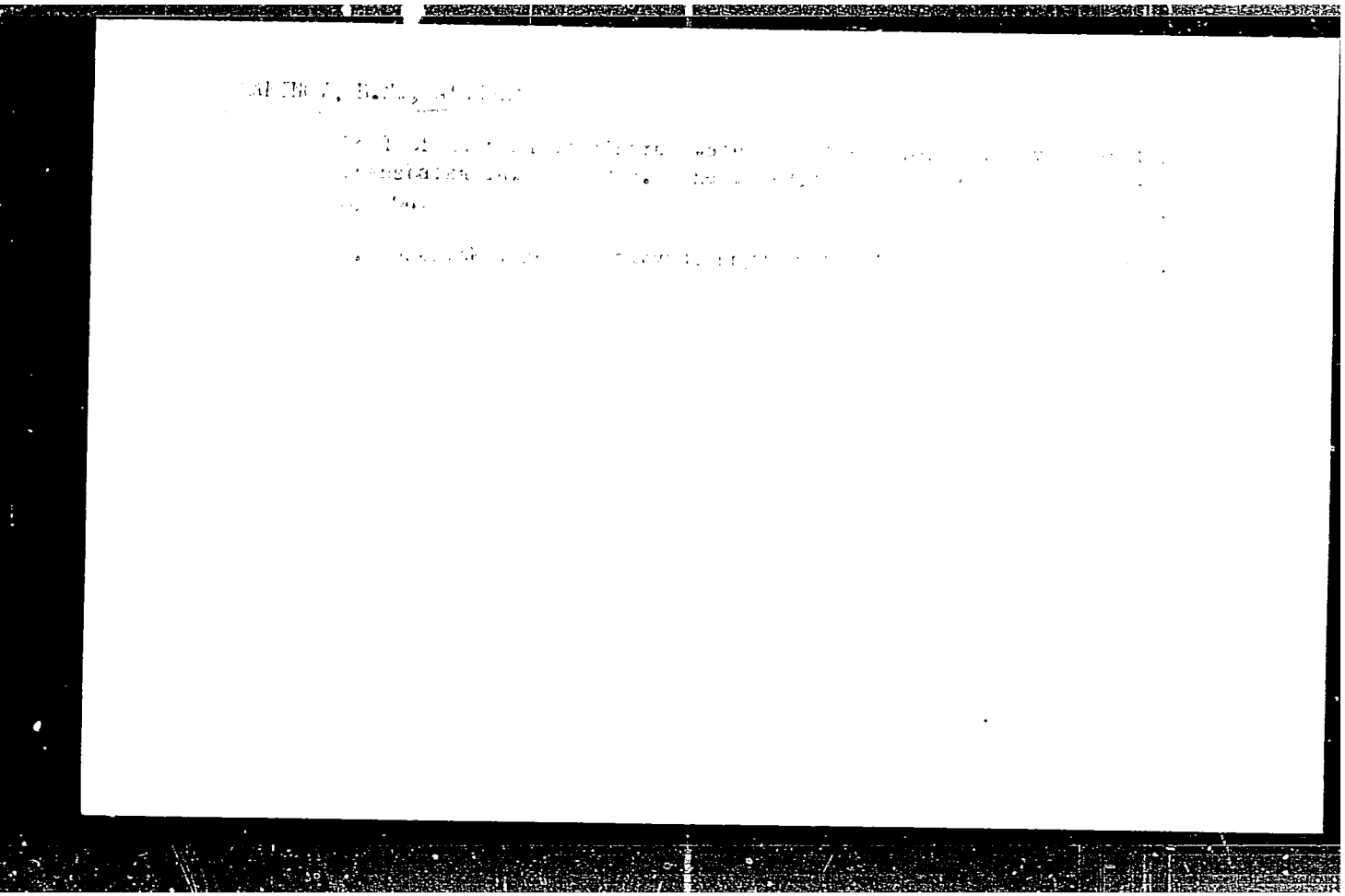
Sexual dimorphism in Barbus tauricus cyclolepis Heckel. Izv Zool inst BAN 17:167-170 '64.

MARINOV, B.

The systematics of the Veleka River shad. Godishnik biol 56 no.1:205-225 '61-'62 [publ. '64].

A new habitat of Leuciscus borysthenicus (Kessler) in the Aegean Basin. Ibid.:227-237

1. Chair of Hydrobiology and Pisciculture of the Faculty of the University of Sofia, Sofia (Head of the Chair: [dots.] A.Angelov.



MARINOV, D. Bulgaria

[Academic Degrees]

[Affiliation] Chief juriscomsultant of the Ministry of National Health and Social Welfare

[Source] Sofia, Khigiena, No 5, Sep-Oct 1962, pp 60-63.

[Data] "International Sanitarian Convontions and Agreements up to the Creation of the World Health Organization."

MARINOV, D.; KIROV, Iv.; DAMIANOVA, M.

Sepsis in newborn. Suvrem.med., Sofia 5 no.11:39-46 1954

1. Iz Katedrata po detski bolesti pri Med. akademiia Vulko Chervenkov. (direktor: prof. L. Rachev)
(SEPTICEMIA AND BACTEREMIA, in infant and child, newborn)
(INFANT, NEWBORN, diseases, septicemia)

MARINOV, D.; STATEVA, St.; STOIANOVA, L.; AITOVA, V.

Pneumonia in infants. Suvrem.med., Sofia 5 no.11:46-55 1954.

1. Iz Katedrata po detski bolesti pri Med. Akademiia Vulko Chervenkov. (direktor: prof. L. Rachev)
(PNEUMONIA, in infant and child.)

MARINOV, D.; KOLIKOVSKI, N.; AVRAMOV, A.

Surgical treatment of cholelithiasis. Khirurgiia, Sofia 7 no.6: 354-362 1954.

1. Meditsinska Akademii Vulko Chervenkov. Katedra po bolnitchna khi. rgii. Zaveshdashch katedrata: prof. St.Dimitrov.
(CHOLELITHIASIS, surgery,)

MARINOV, D.; BASHEVA-STANEVA, L.

Tonsillitis and rheumatism in children. Suvrem.med., Sofia 6 no.5:32-39 1955.

1. Iz detskata klinika pri Vishiia meditsinski institut Vulko Chervenkov-Sofiia (zav.katedrata prof. L. Rachev.)

(TONSILLITIS, complications, rheum.)
(RHEUMATISM, in infant and child, relation to tonsillitis)

DIMITROV, St.; MARINOV, D.; DAMIANOVA, M.

Benign serous meningitis in children. Suvrem. med., Sofia 6 no.11:41-46 1955.

1. Iz Katedrata po detski bolesti pri Visshiia meditsinski institut V. Chervenkov, Sofiia (Zav. katedrata: prof. L. Rachev).
(MENINGITIS, in infant and child, serous. (Bul))

BASHEVA-STANEVA, L.; MARINOV, D.

Certain characteristics of the course of rheumatism in children. Suvrem. med., Sofia 6 no.11:66-73 1955.

1. Iz Katedrata po detski bolesti pri VMI V. Chervenkov, Sofiia (zav. katedrata: prof. L. Rachev).
(RHEUMATISM, in infant and child, course (Bul))

BASHEVA-STANEVA, L.; MARINOV, D.

Significance of tonsillectomy in rheumatism in children.
Suvrem. med., Sofia 6 no.11:73-79 1955.

1. Iz Katedrata po detski bolesti pri VMI V. Chervenkov, Sofiia
(nav. katedrata: prof. L. Rachev).
(TONSILLITIS, surgery,
in rheum. in child. (Bul))
(RHEUMATISM, in infant and child,
eff. of tonsillectomy. (Bul))

RACHEV, L., Prof.; STATEVA, St.; MARINOV, D.; STOIANOVA, L.; ANTOVA, V.

Diet therapy of acute diarrhea and in nutrition disorders in children. Suvrem. med., Sofia 7 no.8:55-63 1956.

1. Iz Katedrata po detski bolesti pri VMI; Sofiia. (Zav. katedrata: prof. L. Rachev).

(DIETS, in various dis.
infant nutrition disorders)
(INFANT NUTRITION DISORDERS, ther.
diets)

RACHEV, L., Prof.; GIZOV, T.; MARINOV, D.; STANEVA, L.; IANEVA, T.; IVANOVA, M., kand. na med. nauki; DAMIANOVA, M., kand. na med. nauki

Experiment with determination of conditioned reflex action in rheumatism in children prior and after sleep therapy. Suvrem. med., Sofia 7 no.11:23-34 1956.

1. Is Katedrata po detski bolesti pri VMI-Sofia (Zav. katedrata: prof. L. Rachev).

(SLEEP, therapeutic use,
rheum. in child., eff. on conditioned reflex action (Bul))
(RHEUMATISM, in infant and child,
sleep ther., eff. on conditioned reflex action (Bul))
(REFLEX, CONDITIONED,
eff. of sleep ther. in rheum. in child. (Bul))

MARINOV, D.; IGNATOV, K.

On a technic for esophago-gastric anastomosis in resection of the esophagus and cardial portion of the stomach. Nauch. tr. vissh. med. inst. Sofia 9 no.4:181-205 '59.

1. Predstavena ot dots. R. Rainov, zav. Katedrata po operativna khirurgiia s topografska anatomiia.

(STOMACH surg) (ESOPHAGUS surg)

STOIANOV,K.; RAINOV,R.; MARINOV,D.; STANCHEV,G.

On certain problems in surgery of the liver and biliary tract.
Khirurgiia,Sofia 13 no.2-3:154-168 '60.
(LIVER surg.)
(BILIARY TRACT surg.)

BULGARIA

L. RACHEV, D. MARINOV, St. STATEVA, Fr. ESKENAZI and St. CHOBANOVA [Affiliation not given]

"Antibiotic Therapy in Children."

Sofia, Suvremenna Meditsina, Vol 14, No 2, 1963; pp 13-19.

Abstract: A review of the indications and contraindications to the various antibiotics in children, based on experiences in the Department of Pediatrics of Medical College Sofia since 1947 as well as published data. Basic principles in selecting the right antibiotic for children with various diseases and of various ages, role of sensitivity testing, determination of optimal dose and route, factors affecting concentration of drug at site of infection, role of concurrent medications and related aspects are reviewed. One Soviet, 4 Bulgarian, 14 Western references.

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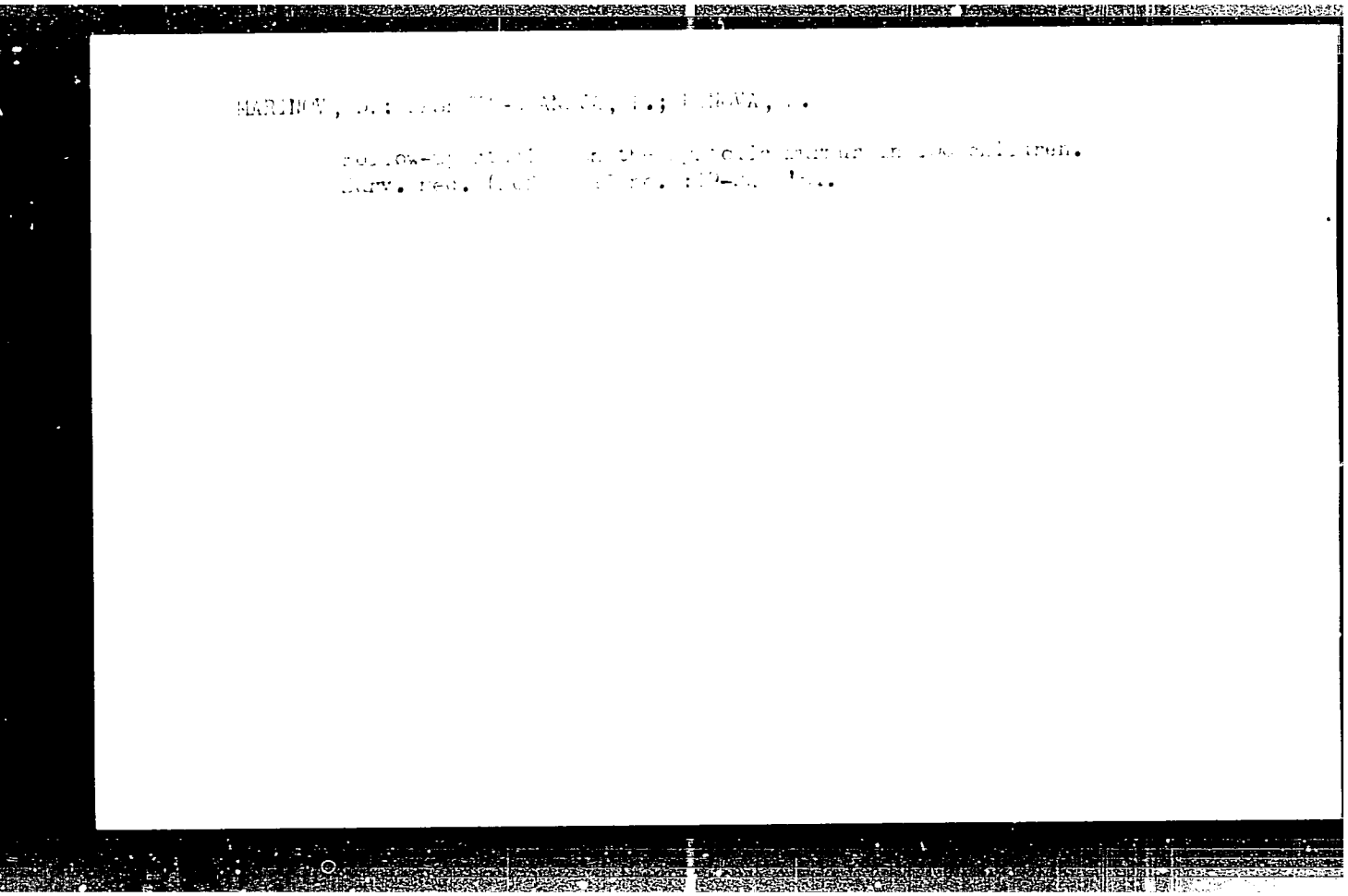

RACEV, L.; MARINOV, D.; STATEVA, St.; ANTOVA, V.; ESKENAZY, F.; AVRAMOV, A.

Staphylococcal pleuropneumonia treatment in infancy. Nauch. tr. Vissh med. inst. Sofiia 43 no.1:21-24 '64.

1. Chair of Pediatrics, (Director: Prof. L. Racev) and Chair of Surgery, (Director: Prof. St. Dimitrov).

MARINOV,D.; ANTOVA, W.; NINOVA, P.

Respiratory disturbances in pneumonias of the newborn. Pneumographic examinations. Cesk. pediat. 20 no.3:345-348 Mr '65

1. Universitäts Kinderklinik, Sofia.

MARINOV, Dim.

Essentials and the First Experience form Exploiting Disconnecting (Cut out) Systems for Central Stations after the Selfsynchronizing Method. Elektroenergia (Electric Power), #11-12:23: Nov-Dec 54

MARINOV, Dim

"Description and Results of Experimenting with Newly Introduced Automatic Circuit Breakers in Bulgaria."

p. 13 (Elektroenergiia, Vol. 9, No. 5, May 1958, Sofiia, Bulgaria)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 11, Nov. 1958

MARINOV, D.

"Some questions on self-synchronization of electric generators."

ELEKTROENERGIIA, Sofiia, Bulgaria, Vol. 9, no. 10/11, Oct./Nov. 1958.

Monthly List of East European Accessions Index (EEAI), The Library of Congress, Volume 8, No. 8, August 1959.

Unclassified

B/004/60/000/010/001/001
D240/D305

AUTHOR: Marinov, Il. Danial, Engineer

TITLE: Certain problems of rocket flight control

PERIODICAL: Tekhnika, no. 10, 1960, 1-4

TEXT: The article which is the first of a series reviewing progress in rocket control, explains the basic factors relating to all rocket flight control systems and bases its data on Western sources predominantly. The problem of preselecting the rocket trajectory when the rocket is intended to carry an artificial satellite into space is given by a short analysis, taken from B. D. Fried's book "On the Powered Flight Trajectory of Earth Satellites." There are 1 diagram and 3 references: 1 Soviet-bloc and 2 non-Soviet-bloc. The reference to the English language publication reads as follows: B. D. Fried, On the Powered Flight Trajectory of Earth Satellites. [Abstracter's note: No other information given]

Card 1/1

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B/004/61/000/010/001/003
D201/D304

AUTHOR: Marinov, Il. Danail, Engineer

TITLE: On another method of putting a carrier rocket into orbit

PERIODICAL: Tekhnika, no. 10, 1961, 1 - 7

TEXT: The author treats the problem of determining an optimum change of course of the thrust magnitude acting in a constant direction, taking into consideration the influence of aerodynamic forces, while minimum quantities of fuel are consumed. For this purpose, the rocket flight is observed as taking place in a vertical plane XOY, whose OX axis is identical with the horizon, and the OY axis coincides with the vertical line drawn from the starting point O as shown in Figs. 1 and 2. The rocket flight is devided into two component-movements, of which the one is parallel to the direction OS composing a very small angle δ with the OY axis; The second rocket movement is parallel to the OX axis. Denoting the thrust by F and the changeable mass of the rocket by M, the first movement is expressed as

Card 1/7

On another method ...

$$M \frac{dv}{dt} = F - \frac{g}{\cos \theta} M - W,$$

and the second as

$$\frac{du}{dt} = \frac{dv}{dt} \sin \theta + g \operatorname{tg} \theta - \frac{W_1}{M}$$

where v - the velocity of the rocket movement parallel to the direction OS, coinciding with the longitudunal axis of the rocket; u - the velocity of the rocket in the direction parallel to OX; W - air resistance in the direction of the longitudinal axis of the rocket; g - gravitational acceleration taken as constant; θ the angle between the OY axis and the longitudinal axis of the rocket and W_1 - the air resistance acting on the rocket during its horizontal displacement under the influence of the component force Mgtg θ Since W and W_1 resistances change proportionally to the square of the corresponding velocity the component movements will be

On another method ...

expressed as :

$$M \frac{dv}{dt} = F - \frac{g}{\cos \theta} M - kv^2 \rho(y) \qquad (1)$$

$$\frac{du}{dt} = \left(\frac{dv}{dt} + g \right) \theta - \frac{k_1 u_2 \rho(y)}{M} , \qquad (2)$$

where k and k_1 are constant coefficients which depend on the form and the dimensions of the rocket; and $\rho(y)$ denotes the air density at the different altitudes y. If it is assumed that the thrust F is equal to the product of the permanent velocity of the escaping gas denoted by V_r and the fuel consumption per second i.e. -dM/dt, then Eq. (1) becomes

$$V_r \left(-\frac{dM}{dt} \right) + \left(\frac{dv}{dt} + \frac{g}{\cos \theta} \right) M + kv^2 \rho(y) = 0 \qquad (3)$$

Card 3/ 7

On another method ...

Introducing the altitude y as an independent variable instead of time t, and replacing velocity v by the non-dimensional velocity w from the relation $V/V_r = w$, the author arrives at the following equations

$$\frac{dM}{dy} + PM + \left(\int w \rho(y) - 0 \right. \qquad (4)$$

$$P = w' + \frac{}{w} \qquad (5)$$

$$\frac{du}{dw} - \left(V_r + g \frac{dt}{dw} \right) 0 - \frac{k_1 u^2 \rho(y)}{M} \frac{dt}{dw} = 0 \qquad (6)$$

which are the basic equations for further analysis. Giving the non

Card 4/ 7

On another method .

-dimensional velocity w a provisional change of course, considering w as a function of the altitude y, the author determines the corresponding change of the mass M and, consequently, the change in fuel consumption which is also a function of altitude y The solution of Eq (4) gives the mass M as

$$M = e^{-\int P dy} \left(C - \beta \int e^{\int P dy} w \varphi(y)\, dy \right),$$

and Eq. (4) becomes

$$M\varphi(y, w, w') \Big|_{y_1}^{y} = -\beta \int_{y_1}^{y} \varphi(y, w\ w\ ) w \varphi(y)\, dy \quad (7)$$

if $e^{\int P dy} = (y,w,w')$ and the undefined constant C is eliminated In this equation, y_1 is the initial altitude of the rocket From this

Card 5/ 7

On another method .

equation and Eq. (5) it is obvious that the mass M becomes a function of y, if the initial and the highest altitudes y and y_1 are given, and if the initial velocity v_1 and the initial mass M_1 are also given and w is taken as a preliminary determined function of altitude y. Such a change of course of velocity w in relation to altitude y will show the initial mass M as a minimum in the initial altitude y_1. This condition in relation to velocity w reduces the difference $M_1 - M_2$ to a minimum which means that the consumption of fuel during flight will also be at a minimum. Such an optimum course compared to any other leads to attainment of a maximum altitude under equal fuel consumption. Solutions of the above problem, obtained by other researchers for a vertical flight, and the assumption, made elsewhere, that cos θ = 1 in Eq. (1) are considered by the author as incomplete. He considers his method more advantageous since: 1) The direction of the longitudinal axis of the rocket and, therefore, the thrust direction in remain at a constant angle of $90^\circ - \theta$ to the horizon at the starting point which permits a simplification of the control system; and 2) the angle of attack in the atmosphere is reduced to a minimum which influences positively the op-

Card 6/ 7

On another method ...

timum course of flight. There are 5 references: 2 Soviet-bloc and 3 non-Soviet-bloc . The references to the English-language publications read as follows: B.D. Fried - On the Powered Flight Trajectory of an Earth Satelite, "Jet Propulsion", 1957, Vol. 27; G. Hamel - Optical Rocket Trajectories, "Jet Propulsion", 1957, Vol 27; H.S. Tsien and Robert C. Evans - Optimum Thrust Programming for a Sounding Sounding Rocket, "Journal of the American Rocket Society", 1951, Vol. 21

Fig. 1

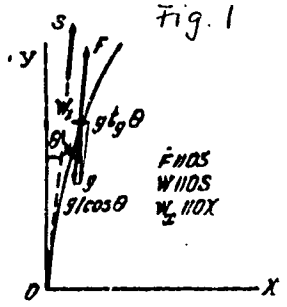
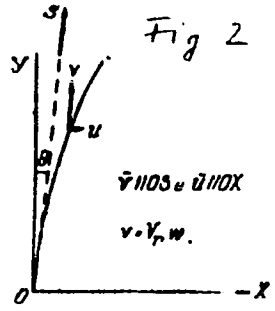


Fig 2



Card 7/7

MARINOV, Danail Il., inzh.

Nature and significance of the Soviet Union's tests with racket ships for landing at fixed ground point. Tekhnika 10 no.9:34-36 '61.

(Space ships)

MARIKOV, Daniil Il.inzh.

Concerning a variant for the launching of a rocket carryer into orbit. Tekhnika 10 no.10:1-7 '62.

MARINOV, D.L., inzhener.

Repairing the pipe grate of Gramo VI locomobiles. Energetik 5 no.7:15-17 Jl '57. (Locomotives--Maintenance and repair)

Marinov D. L.

MARINOV, D.L., inzh.

Changing flat belt drives to vee-belt drives in the SK-250 locomobile. Energetik 5 no.10:18 O '57. (MIRA 10:12)
(Belts and belting)

SOV/91-58-2-11/31

AUTHOR: Marinov, D.L., Engineer

TITLE: On Increasing Work-Reliability of the 200V10/8 Air Compressors (Povysheniye nadezhnosti raboty vozdushnykh kompressorov 200V10/8)

PERIODICAL: Energetik, 1958, Nr 2, p 17-18 (USSR)

ABSTRACT: The author speaks of the 200V10/8, two-step stationary air compressor produced by the compressor plant Melitopol' of Glavkhimmash. The compressors were not set up solidly enough, so that damages caused by exaggerated vibrations had to be repaired almost every quarter year. After 2 years of such imperfect work, a common frame for the compressor and electric motor was assembled of girders Nr 12 with

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On Increasing Work-Reliability of the 200V10/8 Air Compressors

100 mm wide flanges at the bottom. The flanges are made of 20 mm thick steel sheets. After this was accomplished the compressors stayed in normal operation for 4 years. There are 2 diagrams.

MARINOV, E.

The wild boar. P:ir i znanie 18 no.1:12-14 Ja '65.

MARINOV, Encho

Ichthyofauna of Fakiyska Reka. Biol i khim 4 no.4:9-12 '62.

1. Prepodavatel v Uchitelskiia institut, gr. Burgas.

MARINOV, Emsho, prepodavatel

Is the black stork extinct in Bulgaria? Prir i znanie 16 no.2: 24 F '63.

1. Uchitelski institut v Burgas.

MARINOV, Encho; MANCHEV, Manol

Swordbills in the salterns of Burgas. Prir i znanie 17 no. 1: 17-19 Ja '64.

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Two rare birds in the Burgas District. Prir i znanie 17 no.4:
16-19 Ap '64.

MARINOV, F.

"Experimental Drilling in Alluvium", P. 50, (NIMNO DELO, Vol. 9, No. 1, Jan. 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

MARINOV, F.

"New Device for Dropping Wedges for Artifical Deviation of the Orifice of the Drill", P. 49, (MINNO DELO, Vol. 9, No. 5, May 1954, Sofiya, Bulgaria)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No.1, Jan. 1955, Uncl.

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New Initiative and Rationalization in the Burgask Training District (Region). Minno Delo (Mining), #12:38:Dec 54

MARINOV, F.

Results from utilization of the rapid drilling method for soft rocks producing a high percentage of core. p.93
Petroleum production in the People's Republic of Albania. p. 101.
The mineral industry and metallurgy in Turkey. p. 102.

Vol. 10, No 4
July/August, 1955
MINNO DELO
Sofiya, Bulgaria.

SOURCE: East European Accessions List,)EEAL) Library of Congress, Vol. 5. No. 1, January, 1956

MARINOV, F.

Safe drilling apparatus. p. 84

MINNO DEL. Vol. 10, No. 6, Nov./Dec. 1955

Sofiya, Bulgaria

So. East European Accessions List Vol. 5, No. 9 September, 1956

MARINOV, F.

Abnormal curves in sloped drilling in hard ground of the region studied around Burgas. p. 75.
(Minno Delo, Vol. 11, no. 6, Nov./Dec. 1956, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 6, June 1957, Uncl.

MARINOV, F.

Investigating the work of a core bit in boring. p. 19.

GODISHNIK. Minno-geolozhki institut. Sofiia, Bulgaria. Vol. 5, no. 1, 1957/58 (published 1959).

Monthly List of East European Accessions (EEAI) LC, Vol. 9, No. 2, Feb. 1960.
UNCL

MARINOV, F., inzh.

Determining the relationship between the rate of boring, and the depth and diameter of the well. Godishnik Min geol inst 7 no.1:441-458 '60/'61.

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Influence of the diameter of a drill on well crooking.
Godishnik Min geol inst 7:169-188 '60/'61 [publ. '62].

MARINOV, Filip, dots. inzh.

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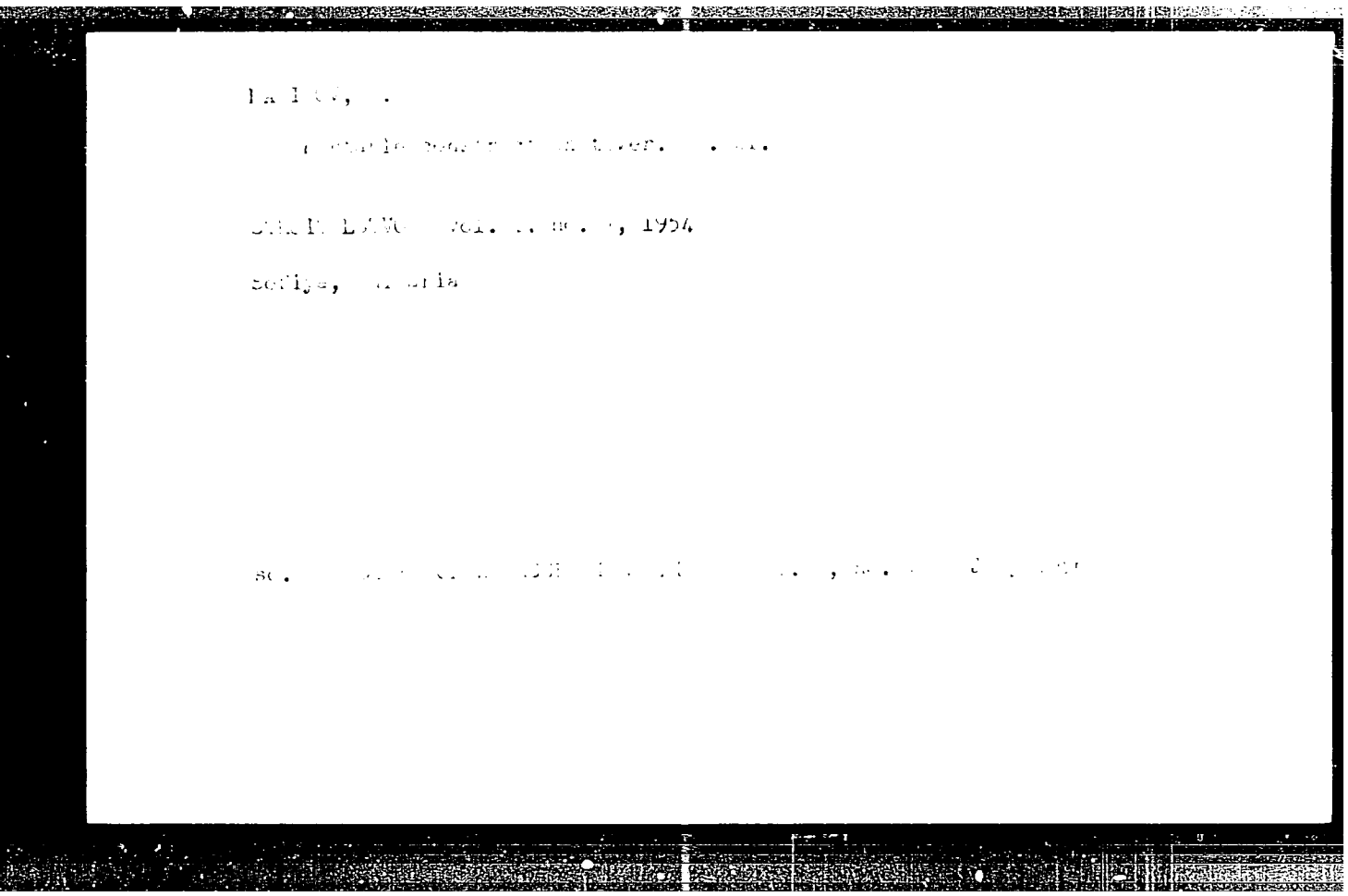

MARINOV, Girsh Ayzikovich; NEKRUTMAN, Semen Veniaminovich; OSADCHUK, Grigoriy Ivanovich; MARTYNOV, M.S., inzh., retsenzent; TSARENKO, A.P., inzh., red.; MEDVEDEVA, M.A., tekhn. red.

[Operation of cars with mechanical refrigeration] Ekspluatatsiia vagonov s mashinnym okhlazhdeniem. Moskva, Transzheldorizdat, 1962. 163 p. (MIRA 15:6)

(Refrigerator cars)

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Dynamics of some indices in the treatment of experimental myocarditis, produced by three different methods. Nauch. tr. vissh. med. inst. Sofiia 43 no.5:41-47 '64

1, Chair of Pathological Anatomy, VMI, Sofia (Chief: Prof. St. Pearev).

BERCHEV, Kr.; MARINOV, Hr.

Investigation on functional disturbances and morphologic alterations in the myocardium and other parenchymatous organs, obtained by streptokinase action. Nauch. tr. visah. med. inst. Sofiia 43 no.5:23-30 '64

1. Chair of Pathophysiology (Chief. Prof. St. Pisarev); Central Histochemical Laboratory (Head: Senior Res. Worker Kr. Berchev).

MARINOV, I.

Our experiment with fusion of rims of locomotive wheel flanges. p. 73.

TRANSPORTNO DELO. Vol. 8, no. 4, 1956

Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

MARINOV. I.

Technique of hauling the train. p. 19. (Transportno Delo, Vol. 9, No. 2, 1957, Sofia, Bulgaria)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, No. 8, Aug 1957. Uncl

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Action exercised by Brucella suis on experimental allergization by means of horse serum. Arch. roum. path. exp. microbiol. 22 no.4:1023-1030 S-D'63.

1. Institut "Dr. I.Cantacuzino" (for Turcanu). 2. Hopital d'Etat no.22 , Maladies des yeux (for Marinov).

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"City competition in radiotelegraphy in Sofia."
Radio, Sofiya, Vol 3, No 4, 1954, p. 10

SO: Eastern European Accessions List, Vol 3, No 10, Oct 1954, Lib. of Congress

MARINOV, YU.

Capacity Measurement. "RADIO" Ministry of Communications, #7-8:70:Aug. 55

MARINOV, IU.

MARINOV, IU. CVC single-tube radio set. p.31

Vol. 7, no. 1, 1955
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So: East European Accessions, V. 5, no. 5, May 1956

MARINOV, IU.

Vacuum tube voltmeters. p. 37.

RADIO. VOL. 4, No. 11, 1955

Sofiya, Bulgaria

So. East European Accessions List Vol. 5, No. 9 September, 1956

[redacted]

MARINOV, IU.

Simple vacuum-tube voltmeters. p. 50.
Switch for measuring devices. Tr. from the Russian. p. 52.
Reconditioning vacuum tubes. p. 53.

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Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

MARINOV, IU.

Frequency modulation. p. 38.

RADIO. Vol. 5, no. 5, 1956

Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 6, No. 1, January 1957

MARINOV, IU.

MARINOV, IU. How the radio receiver works; basic parameters, block schemes, introductory arrangements. p. 25. Vol. 5, no. 10, 1956 ELEKTROENERGIIA. Sofiia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol 6, No. --April 1957

MARINOV, I.
Appearance of grid circuit in low-frequency amplifiers. p.18.
(RADIO I TELEVIZIIA, Vol. 6, no. 1, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

MARINOV, Yu.

Computing and constructing AVOMER, the amateur's conbined ammeter, voltneter, and ohmmeter instrument. p.35.
(RADIO I TELEVIZIIA, Vol. 6, no. 1, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

MARINOV, I.; MOIANKOV, P.

Second Radio Exhibition at the Institute of Communication. p.7.
(RADIO I TELEVIZIIA, Vol. 6, no. 7, 1957, Sofia, Bulgaria.)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 12, December 1957 Uncl.

S/194/62/000/005/127/157
D271/D308

9.3230

AUTHORS: Kirkov, K., and Marinov, Yu.

TITLE: A novel improved selective circuit

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 5, 1962, abstract 5-7-53 f (Godishnik mash.-elektrotekhn. in-t, 1959 (1960), v. 6, no. 3, 1-20)

TEXT: A new selective RC circuit is presented, in lattice configuration, with 6 elements. The voltage-frequency characteristic of selective RC circuits is described by the function $V = U_{out}/U_{in} = \varphi(f)$. The quality factor is an important parameter: $/Q_o/ = (\omega_o/2)(d\varphi/d\omega)_{\omega \to \omega_o}$. Properties of known RC circuits are considered and compared with those of the new circuit. It is noted that the proposed RC circuit has $V_{max} \approx 1$ with $/Q_o/_{max} \approx 1/2$; the Q factor value of 1/2 for $/Q_o/_{max}$ can be obtained for the well-known circuits as well, but in one case this corresponds to $V_{max} = 1/2$ and in another case to V_{max}=

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S/194/62/000/005/127/157
D271/D308

A novel improved selective circuit

- $1/2n \ll 1$. Possibilities of application of the new RC circuit in selective amplifiers and RC oscillators are discussed. Practical recommendations are given regarding the choice of components in amplifiers and RC oscillators; the relations are shown which determine the choice of ancillary resistors and capacitors. Experimental frequency characteristics and system stability curves are shown. The RC oscillator had a range of 30 c/s - 30 kc/s. The selective amplifier provided a gain of the order of 100 to 120 times at 3200 c/s. The proposed RC circuit is analyzed. Function $V = \varphi(f)$ and the resonance frequency f_o are determined. It is stated that the discrepancy between experimental and theoretical values of $V = \varphi(f)$ and f_o did not exceed 10 %. 1 reference. [Abstractor's note: Complete translation].

Card 2/2

FARKHI, S.L.; MARINOV, IU1.P.

On certain types of semiconductor frequency dividers. Godishnik mash elekt 7 no.1:119-130 '60. (publ. '61)

S/196/63/000/003/001/012
A052/A126

AUTHORS: Marinov, Yu., Tonev, I.

TITLE: On some m-derived RC-filters

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika, no. 3, 1963, 14, abstract 3A82. (Godishnik Khim.-tekhnol. in-t, v. 7, no. 1 - 2, 1960 (1961), 271 - 280, Bulg.; summaries in Russian and German)

TEXT: A new possibility is discussed of obtaining m-derived RC-filters which consist of a double T-shape bridge with a zero minimum of frequency characteristic and a 2-element RC-group. The circuits of the proposed filters are shown on the graph. Investigations show that these filters have a lower frequency-characteristic steepness but have an output voltage twice as high as that of existing m-derived RC-filters. There are 9 figures and 2 references.

T. Senitskaya

[Abstracter's note: Complete translation.]

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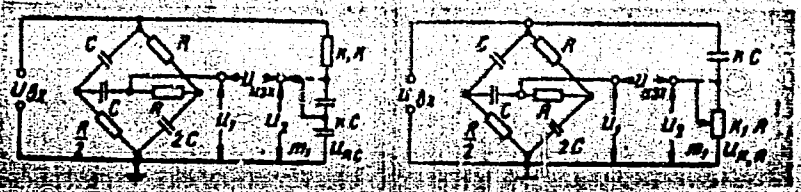
S/196/63/000/003/001/012
A052/A126

On some m-derived RC-filters

Figure:



Card 2/2

KIRKOV, K.T.; MARINOV, IUl.P.

On a band two-cycle RC-generator. Godishnik mash elekt 7 no.2:43-56 '60. (publ. '61).

KIRKOV, K.T.; MARINOV, IU. P.

The new selective RC-groups with the zero minimum of their frequency characteristics. Godishnik mash elekt 7 no.2: 57-67 '60. (publ. '61).

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On some transistor RC-generators. Godishnik mash elekt 9:5-20 '61. [publ. '62]

MARINOV, IUlian P.; NEDELCHEV, Liuben At.

Some new possibilities of rationalizing the switching circuits of the binary type by using the interdependence of their structural equations. Godishnik mash elekt 9:21-32 '61. [publ. '62]

BRADISTILOV, G.D.; BOIADZHIEV, G.N.; MARINOV, YU.P.

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MARINOV, IU.P.; NEDELCHEV, L.At.

Simplifying structural equations of the double-switch systems with the n-inlet and m-outlet in the absence of some possible meanings of inlet variables. Godishnik mash elekt 8 no.1: 95-104 '60. (publ. '61)